

External Cavity Laser

Abstract

An laser cavity including a special wavelength selection filter is disclosed. The special wavelength selection filter comprises of one or two linear polarizer, two quarter waveplates, an etalon filter and an end reflector. The laser may oscillate on single wavelength or multiple wavelengths depending on the selection of the end reflector and the etalon filter. The laser is designed very compact without a wavelength locker to have a stable wavelength output.